	ACADEMIC STANDARDS
AA	**Communications and Teamwork**
AA001	Read process information and follow instructions.
AA002	Read material and describe concepts.
AA003	Use correct pronunciation.
AA004	Use correct spelling.
AA005	Write with accuracy, brevity, and clarity.
AA006	Knowledge of conflict and resolution techniques.
AA007	Possess basic computer keyboarding skills.
AA008	Understand basics of interpersonal communication (listening, written/oral, etc.)
AB	**MATH AND MEASUREMENT**
AB001	Add, subtract, multiply, and divide four digit numbers with the use of a calculator.
AB002	Add, subtract, multiply, and divide four digit numbers without the use of a calculator.
AB003	Apply basic math functions to solve problems.
AB004	Convert between US and metric measurement systems.
AB005	Convert fractional measurements to decimal measurements.
AB006	Compute within measurements systems.
AB007	Document results of measurement activities and calculations.
AB008	Calculate with percents, rate, ratio, and proportion with the use of a calculator.
AB009	Make reasonable estimates of arithmetic results without the use of a calculator.
AB010	Use hand calculators.
AC	**BUSINESS PLANNING AND OPERATIONS**
AC001	Identify the organizational need for profit.
AC002	Define the terms “profit.”
AD	**LEARNING SKILLS**
AD001	Identify personal preferred learning styles.
AD002	Demonstrate ability to learn new process steps.
AD003	Implement new process steps given oral instructions.
AD004	Read process instructions and implement appropriate steps.
	EMPLOYABILITY STANDARDS
EA	**COMMUNICATION AND TEAMWORK**
EA001	Read documentation, such as computer manual, to determine actions for specific situations.
EA002	Organize materials with a logical flow.
EA003	Interpret and clarify directions prepared by others.
EA004	Communicate with customer to establish requirements.
EA005	Understand team concepts.
EA006	Write steps of an occupational process using sentences and statements as appropriate.
EB	**WORKPLACE SAFETY AND HEALTH**
EB001	Assume responsibility for the personal safety of self and others.
EB002	Maintain a clean and safe work environment.
EB003	Demonstrate a positive personal attitude towards safety.
EB004	Comply with established safety practices.
EB005	Identify fire exits and fire-fighting equipment.
EB006	Report unsafe practices to appropriate personnel.
EC	**PROBLEM SOLVING**
EC001	Explain the valve of applying a problem-solving system.
EC002	Apply a system of problem solving.
EC003	Identify opportunities for applying problem solving techniques.
ED	**QUALITY ASSURANCE**
ED001	Explain the effect of quality on profit.
ED002	Identify the effects of continuous quality improvement.
ED003	Identify your customers.
EE	**BUSINESS PLANNING AND OPERATIONS**
EE001	Identify the components that lead to customer satisfaction.
EE002	Identify possible actions that may lead to customer dissatisfaction.
EE003	Identify the ways that the level of customer satisfaction may affect company success.

EE004	Explain the importance of a business reputation.
EE005	Identify the ways that customer satisfaction influences a business reputation.
EF	**WORKFORCE ISSUES**
EF001	Recognize the difference between a team environment workplace and a conventional workplace.
EF002	Identify the characteristics of a diverse workforce.
EF003	Identify good ethical characteristics and behaviors.
EF004	Demonstrate good ethical characteristics and behaviors.
EF005	Differentiate between good and poor business ethics practices.
EF006	Match employee responsibilities to employer expectations.
EF007	Define discrimination, harassment and equity.
EF008	Demonstrate non-discriminatory behavior.
EF009	Maintain confidentiality and sensitivity of company information.
EG	**WORKPLACE SKILLS**
EG001	Demonstrate consistently punctual arrival.
EG002	Document regular attendance.
EG003	Demonstrate enthusiasm and confidence about work and learning new tasks.
EG004	Demonstrate appropriate dress and hygiene for successful employment.
EG005	Demonstrate the ability to act in a polite and respectful way towards co-workers.
EG006	Demonstrate the ability to complete tasks on time and accurately.
EG007	Demonstrate the ability to make career decisions.
EG008	Prepare a resume and letter of application or interest.
EG009	Fill out an application for employment.
EG010	Participate in an employment interview.
EG011	Follow directions and procedures.
EG012	Be truthful in all communications with co-workers and supervisors.
EG013	Accept constructive criticism.
EG014	Demonstrate an ability to learn new skills and behaviors.
EG015	Demonstrate a willingness to work.
EG016	Demonstrate a willingness to learn.
EG017	Work with minimal supervision.
EG018	Plan and organize work.
	OCCUPATIONAL STANDARDS
OA	**THE CHARACTERISTICS AND SCOPE OF TECHNOLOGY**
OA001	Nature of technology.
OA002	Rate of technological diffusion.
OA003	Goal-directed research.
OA004	Commercialization of technology.
OB	**THE CORE CONCEPTS OF TECHNOLOGY**
OB001	Systems.
OB002	Resources.
OB003	Requirements.
OB004	Optimization and trade-offs.
OB005	Processes.
OB006	Controls.
OC	**RELATIONSHIPS AMONG TECHNOLOGIES AND THE CONNECTIONS BETWEEN TECHNOLOGY AND OTHER FIELDS**
OC001	Technology transfer.
OC002	Innovation and invention.
OC003	Knowledge protection and patents.
OC004	Technological knowledge and advances of science and mathematics and vice versa.
OD	**THE CULTURAL, SOCIAL, ECONOMIC, AND POLITICAL EFFECTS OF TECHNOLOGY**
OD001	Rapid or gradual change.
OD002	Trade-offs and effects.
OD003	Ethical implications.
OD004	Cultural, social, economic, and political changes.
OE	**THE EFFECTS OF TECHNOLOGY ON THE ENVIRONMENT**
OE001	Conservation.

OE002	Reduce resource use.
OE003	Monitor environment.
OE004	Alignment of natural and technological processes.
OE005	Reduce negative consequences of technology.
OE006	Decisions and trade-offs.
OF	**THE ROLE OF SOCIETY IN THE DEVELOPMENT AND USE OF TECHNOLOGY**
OF001	Different cultures and technologies.
OF002	Development decisions.
OF003	Factors affecting designs and demands of technologies.
OG	**THE INFLUENCE OF TECHNOLOGY ON HISTORY**
OG001	Evolutionary development of technology.
OG002	Dramatic changes in society.
OG003	History of technology.
OG004	Early technological history.
OG005	The Iron Age.
OG006	The Middle Ages.
OG007	The Renaissance.
OG008	The Industrial Revolution.
OG009	The Information Age.
OH	**THE ATTRIBUTES OF DESIGN**
OH001	The design process.
OH002	Design problems are usually not clear.
OH003	Designs need to be refined.
OH004	Requirements.
OI	**ENGINEERING DESIGN**
OI001	Design principles
OI002	Influence of personal characteristics.
OI003	Prototypes.
OI004	Factors in engineering design.
OJ	**THE ROLE OF TROUBLESHOOTING, RESEARCH AND DEVELOPMENT, INVENTION, AND INNOVATIONS, AND EXPERIMENTATION IN PROBLEM SOLVING**
OJ	Research and development.
OJ002	Researching technological problems.
OJ003	Not all problems are technological or can be solved.
OJ004	Multidisciplinary approach.
OK	**APPLY DESIGN PROCESSES**
OK001	Identify a design problem.
OK002	Identify criteria and constraints.
OK003	Refine the design.
OK004	Evaluate the design.
OK005	Develop a product or system using quality control.
OK006	Reevaluate final solution(s).
OL	**USE AND MAINTAIN TECHNOLOGICAL PRODUCTS AND SYSTEMS**
OL001	Document and communicate processes and procedures.
OL002	Diagnose a malfunctioning systems.
OL003	Troubleshoot and maintain systems.
OL004	Operate and maintain systems.
OL005	Use computers to communicate.
OM	**ASSESS THE IMPACT OF PRODUCTS AND SYSTEMS**
OM001	Collect information and judge its quality.
OM002	Synthesize data to draw conclusions.
OM003	Employ assessment techniques.
OM004	Design forecasting techniques.
ON	**MEDICAL TECHNOLOGIES**
ON001	Medical technologies for prevention and rehabilitation.
ON002	Telemedicine.
ON003	Genetic therapeutics.

ON004	Biochemistry.
OO	**AGRICULTURAL AND RELATED BIOTECHNOLOGIES**
OO001	Agricultural products and systems.
OO002	Biotechnology.
OO003	Conservation.
OO004	Engineering design and management of ecosystems.
OP	**ENERGY AND POWER TECHNOLOGIES**
OP001	Law of Conservation of energy.
OP002	Energy sources.
OP003	Second Law of Thermodynamics.
OP004	Renewable and non-renewable forms of energy.
OP005	Power systems are a source, a process, and a load.
OQ	**INFORMATION AND COMMUNICATION**
OQ001	Parts of information and communications systems.
OQ002	Information and communication systems.
OQ003	The purpose of information and communication technology
OQ004	Communication systems and subsystems.
OQ005	Many ways of communicating.
OQ006	Communication through symbols.
OR	**TRANSPORTATION TECHNOLOGIES**
OR001	Relationship of transportation and other technology.
OR002	Intermodalism.
OR003	Transportation services and methods.
OR004	Positive and negative impacts of transportation systems.
OR005	Transportation processes and efficiency.
OS	**MANUFACTURING TECHNOLOGIES**
OS001	Servicing and obsolescence.
OS002	Materials.
OS003	Durable or non-durable goods.
OS004	Manufacturing systems.
OS005	Interchangeability of parts.
OS006	Chemical technologies.
OS007	Marketing products.
OT	**CONSTRUCTION TECHNOLOGIES**
OT001	Infrastructure.
OT002	Construction processes and procedures.
OT003	Requirements.
OT004	Maintenance, alterations, and renovation.
OT005	Prefabricated materials.